

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

<i>APPLICANT(S):</i>	Fernando Oliveira, et al	<i>GROUP ART UNIT:</i>	Not Yet Assigned
<i>U.S.S.N.:</i>	Not Yet Assigned	<i>EXAMINER:</i>	Not Yet Assigned
<i>FILING DATE:</i>	Not Yet Assigned	<i>CUSTOMER NO.</i>	<b>24227</b>
<i>TITLE:</i>	<i>SYSTEM AND METHOD FOR MANAGING STORAGE NETWORKS AND PROVIDING VIRTUALIZATION OF RESOURCES IN SUCH A NETWORK</i>		

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Date:

March 26, 2004

By:

Sandra A. Kulaga

Print Name: Sandra A. Kulaga

**UTILITY PATENT APPLICATION TRANSMITTAL**

Mail Stop: Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Transmitted herewith for filing is a patent application entitled:

**SYSTEM AND METHOD FOR MANAGING STORAGE NETWORKS AND PROVIDING VIRTUALIZATION OF RESOURCES IN SUCH A NETWORK**

**This application is a ☐ Continuation ☐ Divisional ☒ Continuation-in-Part of prior application serial number 09/608,521, filed on June 30, 2000.**

**Named Inventor(s) / Inventor Address(es) / Inventor Citizenship(s):**

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**Enclosed is/are:**

- [X] Transmittal Letter (this form, 3 Pages, IN DUPLICATE) Total Pages 6;
- [X] Utility Patent Application Specification including Title of the Invention, Background of the Invention, Summary of the Invention, Brief Description of the Drawings, Detailed Description, 29 Claims (4 Independent, 25 dependent), Abstract of the Disclosure, Total Pages: 53;
- [X] Drawings: [X] Formal, [ ] Informal (Figs: 1-26), Total Sheets: 18;
- [ ] Newly Executed Oath/Declaration/Power Of Attorney, Total Pages:   ;
- [ ] Assignment Papers (Assignment Recordation Cover Sheet 1 page, Copy of Assignment Document    pages), Total Pages:   ;
- [X] Nonpublication Request Under 35 U.S.C. 122(b)(2)(B)(i);
- [X] Return Receipt Postage Pre-paid Postcard;
- [X] Fee Transmittal for 2004 (in duplicate);
- [X] Authorization to charge deposit account, with fee amounts calculated as follows:

CLAIMS	Number Filed	Number Extra	Rate	Calculations
Total Claims	<u>29</u> - 20 =	<u>9</u>	x \$18	162.00
Independent Claims	<u>4</u> - 3 =	<u>1</u>	x \$86	86.00
Multiple Independent Claims			+ 290 =	
BASIC FILING FEE =				770.00
Total of Above Calculations =				1,018.00
Assignment Recordation Fee =				0.00
TOTAL FEE FOR THIS PATENT APPLICATION =				<u>\$1,018.00</u>

**Please direct all telephone calls and address all correspondence to:**

Robert Kevin Perkins, Esq. (Reg. No. 36,634)  
EMC Corporation  
Office of the General Counsel  
176 South Street  
Hopkinton, MA 01748  
United States of America  
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Facsimile: (508) 293-7189

Please charge any fees associated with this transaction to Deposit Account No. 05-0889.

If the enclosed papers or fees are considered incomplete, the Mail Room and/or the Application Branch is respectfully requested to contact the undersigned collect at (508) 293-6985, in Hopkinton, Massachusetts.

**CUSTOMER NO. 24227**

Respectfully submitted,

Dated: March 26, 2004

By: Robert Kevin Perkins  
Robert Kevin Perkins, Esq. (Reg. No. 36,634)  
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# FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ ) 1018.00

**Complete if Known**

Application Number	Not Yet Assigned
Filing Date	Not Yet Assigned
First Named Inventor	Fernando Oliveira, et al
Examiner Name	Not Yet Assigned
Art Unit	Not Yet Assigned
Attorney Docket No.	EMC-02-119CIP1

**METHOD OF PAYMENT (check all that apply)**☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None☒ Deposit Account:Deposit  
Account  
Number  
Deposit  
Account  
Name

05-0889

EMC Corporation

The Director is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☐ Credit any overpayments☒ Charge any additional fee(s) or any underpayment of fee(s)☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1001	770	2001	385	Utility filing fee	770.00
1002	340	2002	170	Design filing fee	
1003	530	2003	265	Plant filing fee	
1004	770	2004	385	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	
SUBTOTAL (1)					(\$ ) 770.00

**2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE**

Total Claims	Extra Claims	Fee from below	Fee Paid
29	-20** = 9	18	162
Independent Claims	4	-3** = 1	86
Multiple Dependent			0.00

Large Entity		Small Entity		Fee Description
Fee Code	Fee (\$)	Fee Code	Fee (\$)	
1202	18	2202	9	Claims in excess of 20
1201	86	2201	43	Independent claims in excess of 3
1203	290	2203	145	Multiple dependent claim, if not paid
1204	86	2204	43	** Reissue independent claims over original patent
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$ ) 248.00

\*\*or number previously paid, if greater; For Reissues, see above

**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

Large Entity | Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
1053	130	1053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for ex parte reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	420	2252	210	Extension for reply within second month	
1253	950	2253	475	Extension for reply within third month	
1254	1,480	2254	740	Extension for reply within fourth month	
1255	2,010	2255	1,005	Extension for reply within fifth month	
1401	330	2401	165	Notice of Appeal	
1402	330	2402	165	Filing a brief in support of an appeal	
1403	290	2403	145	Request for oral hearing	
1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,330	2453	665	Petition to revive - unintentional	
1501	1,330	2501	665	Utility issue fee (or reissue)	
1502	480	2502	240	Design issue fee	
1503	640	2503	320	Plant issue fee	
1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
1806	180	1806	180	Submission of Information Disclosure Stmt	
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1809	770	2809	385	Filing a submission after final rejection (37 CFR 1.129(a))	
1810	770	2810	385	For each additional invention to be examined (37 CFR 1.129(b))	
1801	770	2801	385	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	

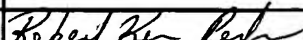
Other fee (specify) \_\_\_\_\_

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ ) 0.00

**SUBMITTED BY**

(Complete if applicable)

Name (Print/Type)	Robert Kevin Perkins	Registration No. (Attorney/Agent)	36,634	Telephone	508-293-6985
Signature		Date	March 26, 2004		

**WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

<b>NONPUBLICATION REQUEST UNDER 35 U.S.C. 122(b)(2)(B)(i)</b>	First Named Inventor		Fernando Oliveira, et al
	Title	System and Method for Managing Storage Networks and Providing Virtualization...	
	Attorney Docket Number		EMC-02-119CIP1

I hereby certify that the invention disclosed in the attached application **has not and will not be** the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing.

I hereby request that the attached application not be published under 35 U.S.C. 122(b).

March 26, 2004  
Date

Robert Kevin Perkins  
Signature

(508) 293-6985  
Telephone Number

Robert Kevin Perkins  
Typed or printed name

This request must be signed in compliance with 37 CFR 1.33(b) and submitted with the application **upon filing**.

Applicant may rescind this nonpublication request at any time. If applicant rescinds a request that an application not be published under 35 U.S.C. 122(b), the application will be scheduled for publication at eighteen months from the earliest claimed filing date for which a benefit is claimed.

If applicant subsequently files an application directed to the invention disclosed in the attached application in another country, or under a multilateral international agreement, that requires publication of applications eighteen months after filing, the applicant **must** notify the United States Patent and Trademark Office of such filing within forty-five (45) days after the date of the filing of such foreign or international application. **Failure to do so will result in abandonment of this application (35 U.S.C. 122(b)(2)(B)(iii)).**

This collection of information is required by 37 CFR 1.213(a) The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 6 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.